

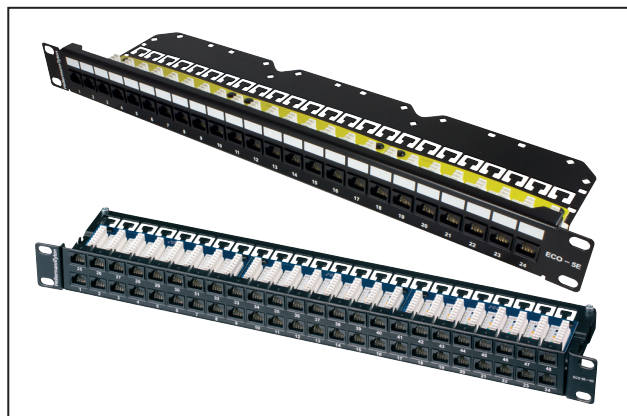


EcoBand Category 5e

1U 24 Port and 1U 48 Port

Application/Product Description

Category 5e EcoBand Patch Panels are designed to support Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 155 Mb/s ATM, Token Ring 4/16, voice/data systems and Voice over Internet Protocol (VoIP) systems running over a Category 5e cabling system and is backwards compatible with existing Category 5 and voice network infrastructures.



EcoBand Category 5e Patch Panels

Technical Data

Specification	Category 5e					
Conformance	- ISO 11801:2002 (inc. Amend. A1 & A2) - BS EN 50173 - ANSI/TIA/EIA 568-C.2					
Wiring Specification	568A/B					
Port Density	1U 24 Port			1U 48 Port		
Dimensions (mm)	H	W	D	H	W	D
	44.0	483.0	132.0	44.0	438.0	131.0
Panel Weight (g)	1054			1409		
Outlet Style	RJ45					
RJ45 Jack Life	Minimum Insertions 1000					
Punch Down Blocks	Vertical IDC					
IDC Life	Minimum 50 re-terminations					
Wire Gauge	22-26 AWG (Maximum of 2 wires per contact).					

Material	
Panel	Mild Steel, Black Powder Coated
Modular Jack Housing	Polybutylene
Contacts	ABS/Selected Gold Plate

Performance Characteristics

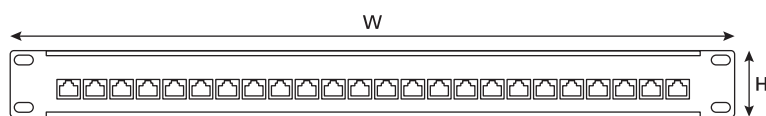
Frequency (MHz)		1	10	100
Insertion Loss	Spec	3.0	6.2	21.0
	Typical	1.9	5.6	18.2
NEXT (dB)	Spec	60.0	48.5	32.3
	Typical	85.3	70.8	53.5
ACR-N (dB)	Spec	57.0	42.3	11.3
	Typical	83.4	65.3	35.3
Return Loss (dB)	Spec	19.0	19.0	12.0
	Typical	30.2	34.9	36.6
PS NEXT (dB)	Spec	57.0	45.5	29.3
	Typical	80.4	65.8	47.9
PS ACR-N (dB)	Spec	54.0	39.3	8.3
	Typical	78.5	60.2	29.7
ACR-F (dB)	Spec	58.6	38.6	18.6
	Typical	74.0	54.8	38.1
PS ACR-F (dB)	Spec	55.6	35.6	15.6
	Typical	67.7	48.1	32.5

*Typical values are for permanent link tests when using the complete HellermannTyton Data System.

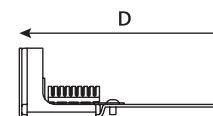


Technical Diagrams

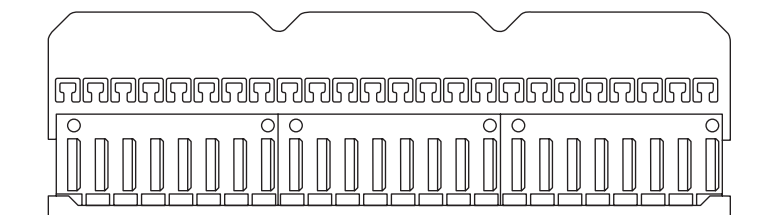
1U 24 Port



Front view

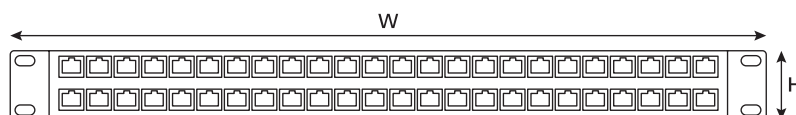


Side view

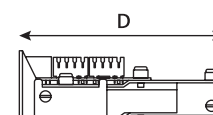


Top view

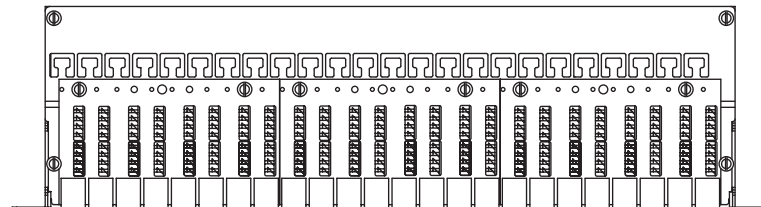
1U 48 Port



Front view



Side view



Top view